

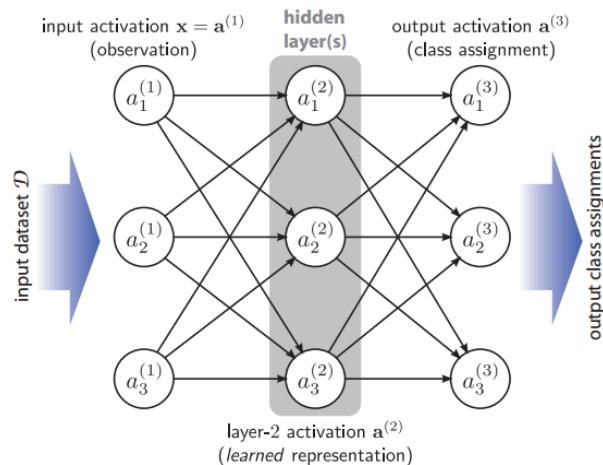
# Weekly Report

## 1 Done

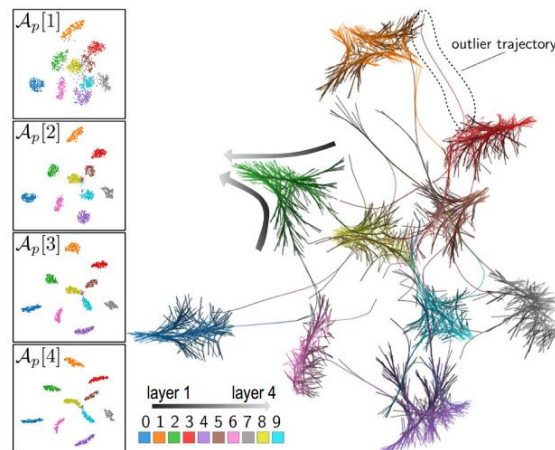
### 1.1 Paper Reading

#### 1.1.1 Visualizing the Hidden Activity of Artificial Neural Networks

(Paulo)



This paper show us how visualization can provide valuable feedback for network designers.

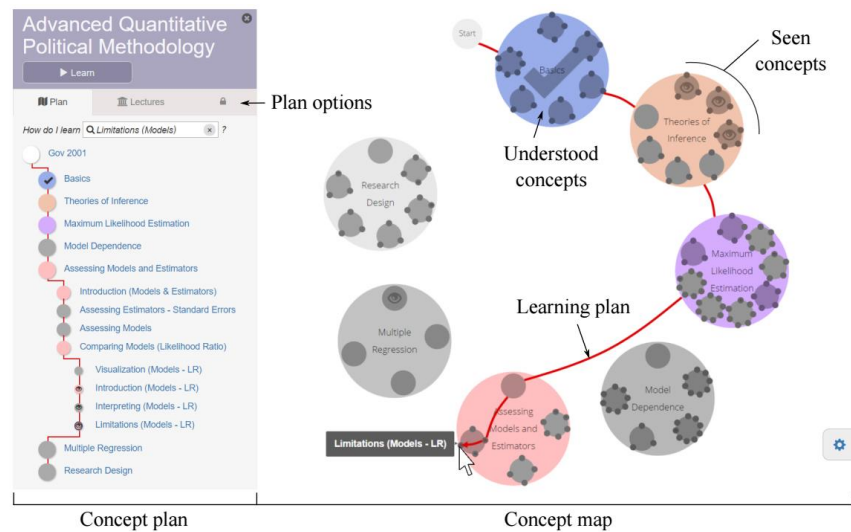


They compare varied machine learning approaches by projecting their results of hidden layer activation into 2D view, furthermore, they visualize the inter-layer evolution with the shape similar to neurons. Based on such a design (no mentioned system), they complete two tasks, including explore the relationships between learned representations and explore the relationships of neurons.

#### 1.1.2 booc.io: An Education System with Hierarchical Concept Maps

## and Dynamic Non-linear Learning Plans (Michail)

This is an exquisite application system for making learning plans and complete learning tasks as planned.



The design of interface and interaction is professional. For instance, the sub-circles in the parent nodes are not evenly distributed over the circumference. There exists a larger space to represent the head-to-tail interval. However, it is weird to break the include relationship by displaying the dots on the circumference of its parent nodes instead of moving them into the circles.

## 1.2 Project

### 1.2.1 Geo-privacy

Summarize the comments and discuss the direction of improvement. (Details can be checked in another document.)

### 1.2.2 RelationLine

Display microblogs in a list.

## 1.3 Patent

Complete the patent about our system.

## 2 To Do

Monograph; project; homework.